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L1	2384	708/270-277.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/03 13:56
L2	493	1 and phase\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/03 13:56
L3	101	(flip-flop\$1 or (flip adj flop\$1)) and 2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/03 14:17
L4	46246	frequency adj divider\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/03 14:17
L5	10664	(flip-flop\$1 or (flip adj flop\$1)) and 4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/03 14:17
L6	6235	5 and phase\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/03 14:18
L7	13	6 and 1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/03 14:18
S1	4	"6707326".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/03 13:55
S2	113349	"708"/\$.ccls. or "327"/\$.ccls. or "377"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/07 14:42

S3	196	(alyosha.in. or molnar.in.) and frequenc\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/07 14:44
S4	119	(alyosha.in. or molnar.in.) and (frequenc\$3.ti. or frequenc\$3.ab. or frequenc\$3.clm.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/07 14:44
S5	30	((alyosha.in. or molnar.in.) and (frequenc\$3.ti. or frequenc\$3.ab. or frequenc\$3.clm.)) and (rahul.in. or magoon.in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/07 14:50
S6	4776	((((divider\$1 or dividing) and frequenc\$3).ti. or ((divider\$1 or dividing) and frequenc\$3).ab. or ((divider\$1 or dividing) and frequenc\$3).clm.) and ("708"/\$. ccls. or "327"/\$.ccls. or "377"/\$. ccls.))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/07 14:54
S7	4873	327/115,117,113,114.ccls. or 377/47,48.ccls. or 708/270,271.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/08 08:18
S8	1115	((((divider\$1 or dividing) and frequenc\$3).ti. or ((divider\$1 or dividing) and frequenc\$3).ab. or ((divider\$1 or dividing) and frequenc\$3).clm.) and (327/115, 117,113,114.ccls. or 377/47,48.ccls. or 708/270,271.ccls.))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/07 14:54
S9	270	(storage or memory) and (((divider\$1 or dividing) and frequenc\$3).ti. or ((divider\$1 or dividing) and frequenc\$3).ab. or ((divider\$1 or dividing) and frequenc\$3).clm.) and (327/115, 117,113,114.ccls. or 377/47,48.ccls. or 708/270,271.ccls.))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/07 14:55
S10	189	oscillat\$5 and ((storage or memory) and (((divider\$1 or dividing) and frequenc\$3).ti. or ((divider\$1 or dividing) and frequenc\$3).ab. or ((divider\$1 or dividing) and frequenc\$3).clm.) and (327/115,117,113,114.ccls. or 377/47,48.ccls. or 708/270,271.ccls.)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/07 14:55

S11	151	(oscillat\$5 and ((storage or memory) and (((divider\$1 or dividing) and frequenc\$3).ti. or ((divider\$1 or dividing) and frequenc\$3).ab. or ((divider\$1 or dividing) and frequenc\$3).clm.) and (327/115,117,113,114.ccls. or 377/47,48.ccls. or 708/270,271.ccls.)))) and phas\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/07 14:55
S12	151	(oscillat\$5 and ((storage or memory) and (((divider\$1 or dividing) and frequenc\$3).ti. or ((divider\$1 or dividing) and frequenc\$3).ab. or ((divider\$1 or dividing) and frequenc\$3).clm.) and (327/115,117,113,114.ccls. or 377/47,48.ccls. or 708/270,271.ccls.)))) and phas\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/07 15:30
S13	23	"708"/\$.ccls. and ((oscillat\$5 and ((storage or memory) and (((divider\$1 or dividing) and frequenc\$3).ti. or ((divider\$1 or dividing) and frequenc\$3).ab. or ((divider\$1 or dividing) and frequenc\$3).clm.) and (327/115, 117,113,114.ccls. or 377/47,48.ccls. or 708/270,271.ccls.)))) and phas\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/07 15:34
S14	112	"327"/\$.ccls. and ((oscillat\$5 and ((storage or memory) and (((divider\$1 or dividing) and frequenc\$3).ti. or ((divider\$1 or dividing) and frequenc\$3).ab. or ((divider\$1 or dividing) and frequenc\$3).clm.) and (327/115, 117,113,114.ccls. or 377/47,48.ccls. or 708/270,271.ccls.)))) and phas\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/07 15:42
S15	79	"377"/\$.ccls. and ((oscillat\$5 and ((storage or memory) and (((divider\$1 or dividing) and frequenc\$3).ti. or ((divider\$1 or dividing) and frequenc\$3).ab. or ((divider\$1 or dividing) and frequenc\$3).clm.) and (327/115, 117,113,114.ccls. or 377/47,48.ccls. or 708/270,271.ccls.)))) and phas\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/07 15:42

S16	25	("377"/\$.ccls. and ((oscillat\$5 and ((storage or memory) and (((divider\$1 or dividing) and frequenc\$3).ti. or ((divider\$1 or dividing) and frequenc\$3).ab. or ((divider\$1 or dividing) and frequenc\$3).clm.) and (327/115, 117,113,114.ccls. or 377/47,48. ccls. or 708/270,271.ccls.)))) and phas\$3)) not (("708"/\$.ccls. and ((oscillat\$5 and ((storage or memory) and (((divider\$1 or dividing) and frequenc\$3).ti. or ((divider\$1 or dividing) and frequenc\$3).ab. or ((divider\$1 or dividing) and frequenc\$3).clm.) and (327/115,117,113,114.ccls. or 377/47,48.ccls. or 708/270,271. ccls.)))) and phas\$3)) or ("327"/\$. ccls. and ((oscillat\$5 and ((storage or memory) and (((divider\$1 or dividing) and frequenc\$3).ti. or ((divider\$1 or dividing) and frequenc\$3).ab. or ((divider\$1 or dividing) and frequenc\$3).clm.) and (327/115,117,113,114.ccls. or 377/47,48.ccls. or 708/270,271. ccls.)))) and phas\$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/07 15:43
S17	18266	harmonic\$1 and frequenc\$3 and (divider\$1 or division) and phase\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/08 08:20
S18	166	(harmonic\$1 and frequenc\$3 and (divider\$1 or division) and phase\$1) and (327/115,117,113, 114.ccls. or 377/47,48.ccls. or 708/270,271.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/08 08:19
S19	96	((frequenc\$3 and (division or divider\$1)).ti. or (frequenc\$3 and (division or divider\$1)).ab. or (frequenc\$3 and (division or divider\$1)).clm.) and ((harmonic\$1 and frequenc\$3 and (divider\$1 or division) and phase\$1) and (327/115,117,113, 114.ccls. or 377/47,48.ccls. or 708/270,271.ccls.))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/08 08:19

S20	57	(phase\$1.ti. or phase\$1.ab. or phase\$1.clm.) and (((frequenc\$3 and (division or divider\$1)).ti. or (frequenc\$3 and (division or divider\$1)).ab. or (frequenc\$3 and (division or divider\$1)).clm.) and ((harmonic\$1 and frequenc\$3 and (divider\$1 or division) and phase\$1) and (327/115,117,113, 114.ccls. or 377/47,48.ccls. or 708/270,271.ccls.)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/08 08:21
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frequency divider

☐ Check to search within this result set**Results Key:****JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard**1 Novel Design Approach for X-Band GaAs Monolithic Analog 1/4 Frequency Divider***Honjo, K.; Madihian, M.;*

Microwave Theory and Techniques, IEEE Transactions on , Volume: 34 , Issue: 4 , Apr 1986

Pages:436 - 441

[\[Abstract\]](#) [\[PDF Full-Text \(1048 KB\)\]](#) **IEEE JNL****2 An analytical maximum toggle frequency expression and its application to optimizing high-speed ECL frequency dividers***Fang, W.; Brunnschweiler, A.; Ashburn, P.;*

Solid-State Circuits, IEEE Journal of , Volume: 25 , Issue: 4 , Aug. 1990

Pages:920 - 931

[\[Abstract\]](#) [\[PDF Full-Text \(860 KB\)\]](#) **IEEE JNL****3 A mm-wave frequency divider***Nuchter, P.; Menzel, W.;*

Microwave Symposium Digest, 1992., IEEE MTT-S International , 1-5 June 1992

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[\[Abstract\]](#) [\[PDF Full-Text \(172 KB\)\]](#) **IEEE CNF****4 A novel frequency divider configuration for micro- and millimeter-wave signals***Nuchter, P.; Menzel, W.;*

Microwave and Guided Wave Letters, IEEE [see also IEEE Microwave and Wireless Components Letters], Volume: 6 , Issue: 7 , July 1996

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[\[Abstract\]](#) [\[PDF Full-Text \(208 KB\)\]](#) **IEEE JNL****5 Very-high-speed Si bipolar static frequency dividers with new T-type flip-flops***Ishii, K.; Ichino, H.; Togashi, M.; Kobayashi, Y.; Yamaguchi, C.;*

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6 A Si bipolar 28-GHz dynamic frequency divider

Kurusu, M.; Uemura, G.; Ohuchi, M.; Ogawa, C.; Takemura, H.; Morikawa, T.; Tashiro, T.;
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Pages:1799 - 1804

[Abstract] [PDF Full-Text (652 KB)] IEEE JNL

7 High-speed CMOS frequency divider

Chen, R.Y.;
Electronics Letters , Volume: 33 , Issue: 22 , 23 Oct. 1997
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8 GaAs heterostructure FET frequency dividers fabricated with high-yield 0.5 μ m direct-write trilevel-gate-resist

Ren, F.; Resnick, D.J.; Atwood, D.K.; Tu, C.W.; Kopf, R.F.; Shah, N.J.;
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[Abstract] [PDF Full-Text (188 KB)] IEE JNL

9 55GHz CMOS frequency divider with 3.2GHz locking range

Yamamoto, K.; Fujishima, M.;
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[Abstract] [PDF Full-Text (309 KB)] IEEE CNF

10 Wide-band CMOS VCO and frequency divider design for quadrature signal generation

Park, Y.; Chakraborty, S.; Lee, C.-H.; Nuttinck, S.; Laskar, J.;
Microwave Symposium Digest, 2004 IEEE MTT-S International , Volume: 3 , 6-11 June 2004
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[Abstract] [PDF Full-Text (658 KB)] IEEE CNF

11 A V-band VCO and frequency divider MMICs for phased-locked loop

Ockgoo Lee; Jeong-Geun Kim; Sang-Hoon Jeon; Jae-Woo Park; Songchel Hong;
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12 Over-60-GHz operation of SCFL dynamic frequency divider using InP-based HEMTs

Umeda, Y.; Osafune, K.; Enoki, T.; Yokoyama, H.; Ishii, Y.; Imamura, Y.;
Microwave Symposium Digest, 1997., IEEE MTT-S International , Volume: 2 , 8-13 June 1997
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Cheng, K.-K.M.; Chun-Wah Fan;
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14 7.3-GHz dynamic frequency dividers monolithically integrated in a standard bipolar technology*Derksen, R.H.; Rein, H.-M.;*Microwave Theory and Techniques, IEEE Transactions on , Volume: 36
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15 SiGe regenerative frequency divider operating up to 63 GHz*Mullrich, J.; Klein, W.; Khelifi, R.; Rein, H.-M.;*

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